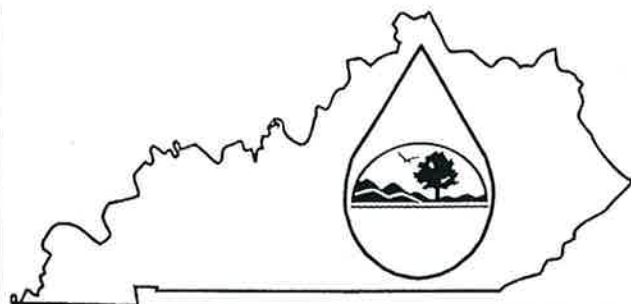


KPDES FORM 1

AI# 35447

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION



This is an application to: (check one)

- ☐ Apply for a new permit.
☒ Apply for reissuance of expiring permit.
☐ Apply for a construction permit.
☐ Modify an existing permit.

Give reason for modification under Item II.A.

A complete application consists of this form and one of the following:

Form A, Form B, Form C, Form F, or Form SC

For additional information contact:

KPDES Branch (502) 564-3410

KY0076058

I. FACILITY LOCATION AND CONTACT INFORMATION		AGENCY USE
A. Name of business, municipality, company, etc. requesting permit HENDERSON COUNTY BOARD OF EDUCATION		
B. Facility Name and Location		
Facility Location Name: CAIRO ELEMENTARY SCHOOL	C. Primary Mailing Address (all facility correspondence will be sent to this address). Include owner mailing address on a separate sheet if different.	
Facility Location Address (i.e. street, road, etc., not PO Box): 10694 U S 41A	Facility Contact Name and Title: Mr. <input type="checkbox"/> Ms. <input type="checkbox"/> HENDERSON COUNTY BOARD OF EDUCATION	
Facility Location City, State, Zip Code: HENDERSON, KY 42420	Mailing Address: 5704 AIRLINE ROAD	
		Mailing City, State, Zip Code: HENDERSON, KY 42420
		Facility Contact Telephone Number: (270) 831-5132

II. FACILITY DESCRIPTION			
A. Provide a brief description of activities, products, etc: This is an Elementary School; all the school's waste goes to a 4000 gallon per day package treatment plant/sand filter.			
B. Standard Industrial Classification (SIC) Code and Description <i>SIC Code taken from prev. application</i>			
Principal SIC Code & Description: (8211)	Elementary school with a Package Treatment Plant		
Other SIC Codes:			

III. FACILITY LOCATION	
A. Attach a U.S. Geological Survey 7 1/2 minute quadrangle map for the site. (See instructions)	
B. County where facility is located: Henderson County	City where facility is located (if applicable): Henderson
C. Body of water receiving discharge: Barrett Ditch at mile point 3.20	
D. Facility Site Latitude (degrees, minutes, seconds): 37 44 44.2	Facility Site Longitude (degrees, minutes, seconds): 87 39 14.3
E. Method used to obtain latitude & longitude (see instructions): GPS Unit	
F. Facility Dun and Bradstreet Number (DUNS #) (if applicable):	

IV. OWNER/OPERATOR INFORMATION**A. Type of Ownership:**

☐ Publicly Owned ☒ Privately Owned ☐ State Owned ☐ Both Public and Private Owned ☐ Federally owned

B. Operator Contact Information (See instructions)

Name of Treatment Plant Operator:

Jonathan Williams

Telephone Number:

(270) 831-5132

Operator Mailing Address (Street):

5704 Airline Road

Operator Mailing Address (City, State, Zip Code):

Henderson, KY 42420

Is the operator also the owner?

Yes ☐ No ☒

Is the operator certified? If yes, list certification class and number below.

Yes ☒ No ☐

Certification Class:

Class I

Certification Number:

8381

V. EXISTING ENVIRONMENTAL PERMITS

Current NPDES Number:

KY 0101117

Issue Date of Current Permit:

03-01-2006

Expiration Date of Current Permit:

04-30-2010

Number of Times Permit Reissued:

Date of Original Permit Issuance:

Sludge Disposal Permit Number:

Kentucky DOW Operational Permit #:

Kentucky DSMRE Permit Number(s):

Which of the following additional environmental permit/registration categories will also apply to this facility?

CATEGORY	EXISTING PERMIT WITH NO.	PERMIT NEEDED WITH PLANNED APPLICATION DATE
Air Emission Source		
Solid or Special Waste		
Hazardous Waste - Registration or Permit		

VI. DISCHARGE MONITORING REPORTS (DMRs)

KPDES permit holders are required to submit DMRs to the Division of Water on a regular schedule (as defined by the KPDES permit). Information in this section serves to specifically identify the name and telephone number of the DMR official and the DMR mailing address (if different from the primary mailing address in Section I.C).

A. DMR Official (i.e., the department, office or individual designated as responsible for submitting DMR forms to the Division of Water):

Henderson County Board of Education

DMR Official Telephone Number:

(270)830-7075

B. DMR Mailing Address:

- Address the Division of Water will use to mail DMR forms (if different from mailing address in Section I.C), or
- Contact address if another individual, company, laboratory, etc. completes DMRs for you; e.g., contract laboratory address.

DMR Mailing Name:

MOSS McGRAW ENV. LAB INC.

DMR Mailing Address:

502A FIFTH ST., P. O. BOX 915

DMR Mailing City, State, Zip Code:

HENDERSON, KY 42420

VII. APPLICATION FILING FEE

KPDES regulations require that a permit applicant pay an application filing fee equal to twenty percent of the permit base fee. Please examine the base and filing fees listed below and in the Form 1 instructions and enclose a check payable to "Kentucky State Treasurer" for the appropriate amount (for permit renewals, please include the KPDES permit number on the check to ensure proper crediting). Descriptions of the base fee amounts are given in the "General Instructions."

Facility Fee Category:

Public School

Filing Fee Enclosed:

-0-

VIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):

TELEPHONE NUMBER (area code and number):

Mr. ☒ Ms. ☐

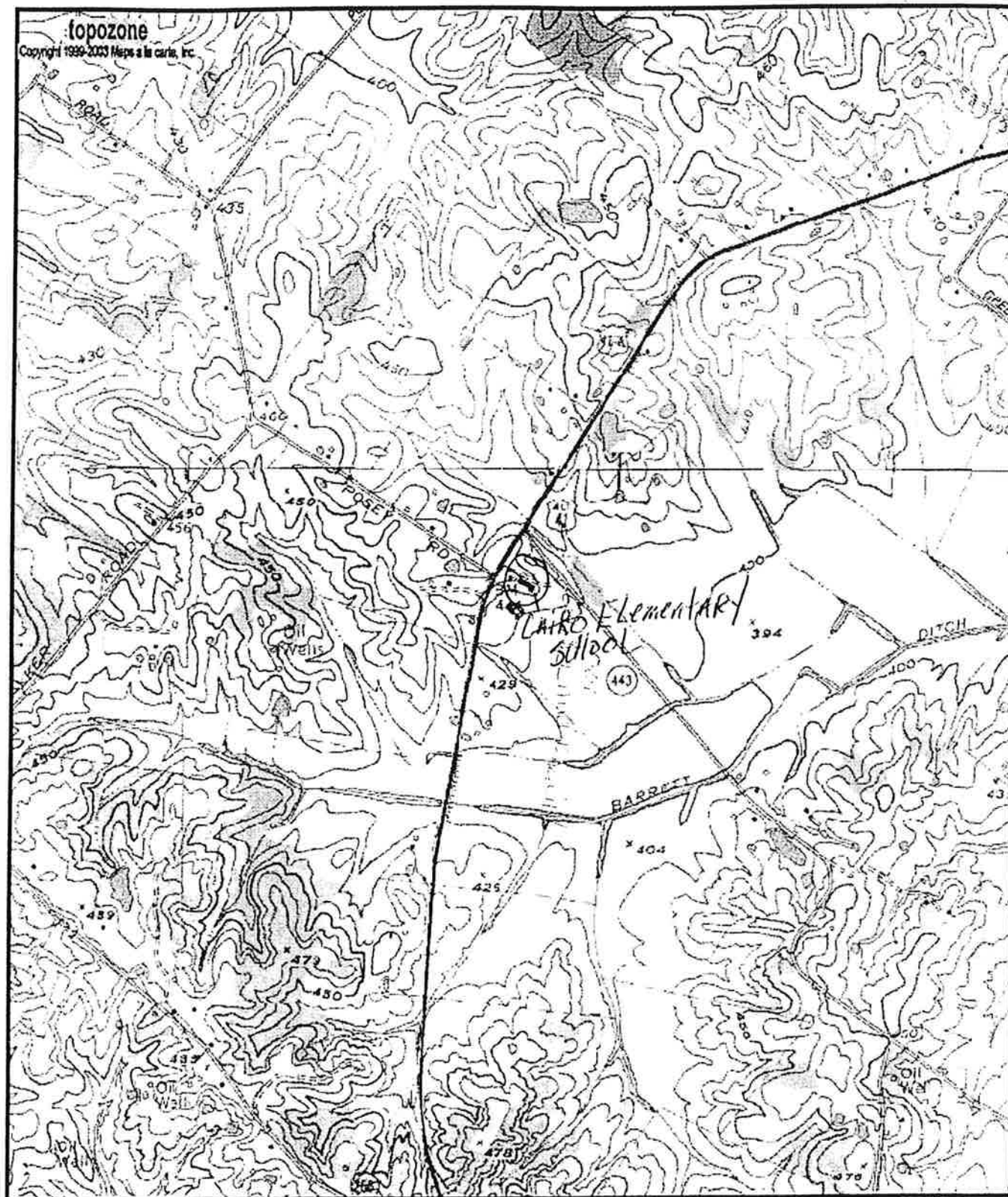
James M. Taylor Director of Maintenance (270) 831-5132

SIGNATURE

DATE:

James M. Taylor Dir. of Maintenance

8/5/09



Map center is 37° 44' 46"N, 87° 39' 14"W (WGS84/NAD83)

Poole quadrangle

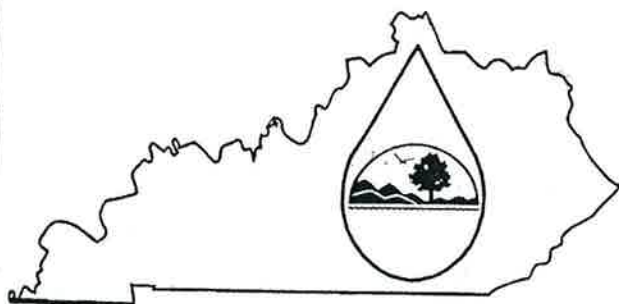
Projection is UTM Zone 16 NAD83 Datum

M=-2.242

G=-0.4

KPDES FORM SC

AI # 35447



KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT APPLICATION

A complete application consists of this form and Form 1.
For additional information, contact: KPDES Branch, (502) 564-3410.

NAME OF FACILITY: CAIRO ELEMENTARY SCHOOL / HENDERSON COUNTY BOARD OF EDUCATION		KY0076058	
I. FACILITY DISCHARGE FREQUENCY		AGENCY USE	0000000000000000
A. Do discharge(s) occur all year? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Complete Item IX for intermittent discharges.)			
B. How many days per week?		5 Days (Monday-Friday)	
II. A. Give the basis of design for sizing of the wastewater facility (see instructions):			
1. 260 students, 44 staff (Total population - 304)			
2. Building size - 40,360 sq. ft.			
3. Treatment Plant size - 4000 gallons per day			
B. If new discharger, indicate anticipated discharge date:			
C. Indicate the design capacity of the treatment system:		MGD	

III. Outfall Location (see instructions)

Outfall (list)	LATITUDE			LONGITUDE			RECEIVING WATER (name)
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
001	37	44	44.2	87	39	14.3	Barrett Ditch

Method used to obtain latitude/longitude
(i.e. GPS unit, USGS topographic map coordinates, etc.)

IV. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (see instructions)

If wastewater other than domestic or sanitary is listed, complete page 4 in addition to page 1 and 2.

OUTFALL NO. (list)	OPERATION(S) CONTRIBUTING FLOW		TREATMENT	
	Operation (list)	Avg/Design Flow (include units)	List treatment components	List Codes from Table SC-1
001	Package Treatment Plant	0.0013 MGD	Sand Filter	
			Disinfection chlorine	2-f
			Treatment by plain aeration	3-M
			Discharge to surface water	4-A

V. Check the type(s) of wastewater discharged.

- ☒ Domestic (60% or more sanitary sewage)
 ☐ Oil field waste
☐ Noncontact cooling water
 ☐ Other (list):

VI. Does all water used at facility (except for human consumption) flow to a treatment plant? ☒ Yes ☐ No**VII. Discharge to other than surface waters. Check appropriate location:**

- ☐ Publicly-owned lake or impoundment Name of lake:
☐ Publicly-owned treatment works (POTW). Name of POTW:
☐ Land application of Effluent
☐ Surface injection (Check term and identify on map) ☐ lateral field; ☐ sinkhole; ☐ sinking stream; ☐ deep well
☐ Closed Circuit (Check appropriate term) ☐ Holding tank; ☐ Mechanical evaporation; ☐ Waste impoundment

VIII. Check the metals present in the discharge if applicable and indicate the quantity discharged per year. (Indicate units).

<input type="checkbox"/>	Antimony	
<input type="checkbox"/>	Arsenic	
<input type="checkbox"/>	Beryllium	
<input type="checkbox"/>	Cadmium	
<input type="checkbox"/>	Chromium	

<input type="checkbox"/>	Copper	
<input type="checkbox"/>	Lead	
<input type="checkbox"/>	Mercury	
<input type="checkbox"/>	Nickel	
<input type="checkbox"/>	Selenium	

<input type="checkbox"/>	Silver	
<input type="checkbox"/>	Thallium	
<input type="checkbox"/>	Zinc	
<input type="checkbox"/>		
<input type="checkbox"/>		

IX. INTERMITTENT DISCHARGES (Complete this section for intermittent discharges.)

A. Number of bypass points:

(If bypass points are indicated, information below must be completed for each bypass.)

Check when bypass occurs:	<input type="checkbox"/> Wet Weather	<input type="checkbox"/> Dry Weather
Give the number of bypass incidents	per year	per year
Give average duration of bypass	hours	hours
Give average volume per incident	1,000 gallons	1,000 gallons
Give reason why bypass occurs:		

B. Number of Overflow Points:

(If discharge is from an overflow point, the information below must be completed.)

Check when overflow occurs:	<input type="checkbox"/> Wet Weather	<input type="checkbox"/> Dry Weather
Give the number of overflow incidents:	per year	per year
Give average duration of overflow:	hours	hours
Give average volume per incident:	1,000 gallons	1,000 gallons

C. Number of seasonal discharge points

Give the number of times discharge occurs per year	
Give the average volume per discharge occurrence	(1,000 gallons)
Give the average duration of each discharge	(days)
List month(s) when the discharge occurs	

X. AREA SERVED (see instructions)

NAME	ACTUAL POPULATION SERVED
CAIRO ELEMENTARY	Students - 260
	Staff - 44
TOTAL POPULATION SERVED	304

(PLEASE COMPLETE THIS PAGE IF OTHER THAN DOMESTIC WASTEWATER IS DISCHARGED)

XI. COOLING WATER ADDITIVES AND THEIR COMPOSITIONS

Additive	Composition	Concentration (mg/l)

XII. EFFLUENT CHARACTERISTICS

A. Indicate results of analysis for pollutants listed below.

POLLUTANT/PARAMETER	MAX DAILY VALUE	AVG DAILY VALUE	NUMBER OF SAMPLES
BOD ₅	2	2	1
TOTAL SUSPENDED SOLIDS	3	3	1
FECAL COLIFORM	1	1	1
TOTAL RESIDUAL CHLORINE	2.12	2.12	1
OIL AND GREASE	< 5	< 5	1
CHEMICAL OXYGEN DEMAND	29	29	1
TOTAL ORGANIC CARBON	14	14	1
AMMONIA	5.44	5.44	1
DISCHARGE FLOW			
PH	6.93	6.93	1
TEMPERATURE (WINTER)			
TEMPERATURE (SUMMER)	70.3	70.3	1

B. Frequency and duration of flow:

Year-round flow but less in summer

XIII. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME AND OFFICIAL TITLE (type or print):

James M. Taylor Director of Maintenance

TELEPHONE NUMBER (area code and number):

(270) 831-5132

SIGNATURE

James M. Taylor Dir. of Maintenance

DATE

8/5/09